

CLAIMS

Please replace the claims with the following claims:

1. (CURRENTLY AMENDED) A method of processing platform-specific events by a virtual machine that operates on a first platform, wherein said virtual machine concurrently supports a first task and a second task, said method comprising:

simultaneously receiving, by the virtual machine, a plurality of platform-specific events which are associated with the first platform, wherein each said platform-specific event is an external event initiated externally to said virtual machine;

concurrently selecting, for each said platform-specific event, a selected task that defines which of said first and second tasks should process said platform-specific events;

simultaneously manipulating each said platform-specific event received by modifying a data structure of each said platform-specific event to comply with a data structure format supported by said selected task, thereby representing each said platform-specific event in a form that is accessible by said selected task;

assigning a platform-specific event-repository to said selected task, wherein said platform-specific repository provides event storage prior to processing by said selected task;

providing a platform-specific event-handler for said selected task;

using a platform-specific event-dispatcher, placing said platform-specific event in said platform-specific event-repository and involving said platform-specific event-handler to initiate processing of said platform-specific event said selected task; and

processing each said platform-specific ~~events~~ event by said selected task.

2. (CANCELLED)

3. (PREVIOUSLY PRESENTED) The method as recited in claim 1, wherein said event-repository is implemented as a first-in first-out queue, wherein said event-handler is implemented as an event-handler thread, and wherein said selection is performed by an event-manager thread of said virtual machine.
4. (PREVIOUSLY PRESENTED) The method as recited in claim 1, wherein said platform-specific event is manipulated to be associated with a Java compliant data structure.
5. (PREVIOUSLY PRESENTED) The method as recited in claim 4, wherein said manipulating of said platform-specific event is performed by said virtual machine.
6. (PREVIOUSLY PRESENTED) The method as recited in claim 1, wherein said selected task is associated with a Java compliant Mobile Information Device Profile application (MIDlet).
7. (CANCELLED)
8. (PREVIOUSLY PRESENTED) The method as recited in claim 1, wherein said determination comprises: selecting a foreground task when said determination is made.
9. (PREVIOUSLY PRESENTED) The method as recited in claim 1, wherein said selected task is associated with a Java compliant Mobile Information Device Profile application (MIDlet), and wherein said determination comprises:

selecting a foreground task when said determination is made, said foreground task processed in the foreground relative to an unselected task and displayed in the foreground relative to the unselected task.
10. (PREVIOUSLY PRESENTED) The method as recited in claim 9, wherein said determination of said foreground task comprises: selecting a task that is displayed for a user.
11. (PREVIOUSLY PRESENTED) The method as recited in claim 10, wherein said first platform includes a mobile device.

12. (PREVIOUSLY PRESENTED) A system implementing a virtual machine for processing platform-specific events associated with a first platform, wherein said system concurrently supports first and second tasks, said system comprising:

one or more processors;

first and second tasks concurrently operating on said virtual machine; and

a platform-specific event dispatcher that operates to:

simultaneously receive a plurality of platform-specific events associated with said first platform, wherein each said platform-specific event is an external event initiated externally to said virtual machine;

concurrently select, for each said platform-specific event, a selected task that defines which of said first and second tasks should receive said platform specific events, wherein said virtual machine simultaneously modifies a data structure of said platform-specific event to be compliant with a data structure format supported by said selected task, thereby representing platform-specific events in a form that is accessible by said selected task;

a platform-specific event-repository for said selected task, wherein said platform-specific repository provides event storage prior to processing by said selected task; and

a platform-specific event-handler for said selected task, wherein said platform-specific event-dispatcher operates to place said platform-specific event in said platform-specific event-repository and invoke said platform-specific event-handler to initiate processing of said platform-specific event.

13. (PREVIOUSLY PRESENTED) The system as recited in claim 12, wherein said platform-specific event-handler is invoked when said selected task is selected, and wherein said

platform-specific event-handler processes said platform-specific event when said platform-specific event-handler is invoked.

14. – 19. (CANCELLED)

20. (CURRENTLY AMENDED) A computer readable storage medium including a computer program for processing platform-specific events by a virtual machine that operates on a first platform, wherein said virtual machine concurrently supports first and second tasks, said computer readable medium comprising:

computer program code for simultaneously receiving a plurality of platform-specific events which are associated with the first platform, wherein each said platform-specific event is an external event initiated externally to said virtual machine;

computer program code which concurrently selects, for each said platform-specific event, a selected task that defines which of said first and second tasks should receive said platform-specific events;

computer program code that manipulates each said platform-specific event received by modifying its data structure to be compliant with a data structure format supported by said selected task, thereby representing each said platform-specific events in a form that is accessible by said selected task;

computer program code that assigns a platform-specific event-handler and a platform-specific event-repository to said selected task, wherein said platform-specific repository provides event storage prior to processing by said selected task;

computer program code that places said platform-specific events in said platform-specific event-repository and invokes said platform-specific event-handler to initiate processing of said platform-specific event; and

computer program code for processing each of said platform-specific events by the respective selected task.

21. (CANCELLED)

22. (PREVIOUSLY PRESENTED) The computer readable storage medium as recited in claim 20, wherein said selected task is associated with a Java compliant Mobile Information Device application (MIDlet).